

ENGINE DRIVEN BY HIGH-PRESSURE GAS

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ABSTRACT OF THE DISCLOSURE

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An engine driven by high-pressure gas comprises: a high-pressure gas tank (7) for storing high-pressure gas; a piston (3) displaced when pressure is given from the high-pressure gas tank (7) to the piston (3), the piston (3) composing an expansion chamber (4) in which the high-pressure gas is expanded; and a crank shaft for converting a displacement of the piston (3) into a rotary motion, and fuel is burnt in the expansion chamber (4) when a volume of the expansion chamber (4) is expanded by the high-pressure gas supplied into the expansion chamber (4). Due to the foregoing, the piston (3) is displaced mainly by the pressure of high-pressure gas in the same manner as that of starting the engine, and the combustion of fuel is mainly used to prevent the temperature of gas in the expansion chamber (4) from being decreased.